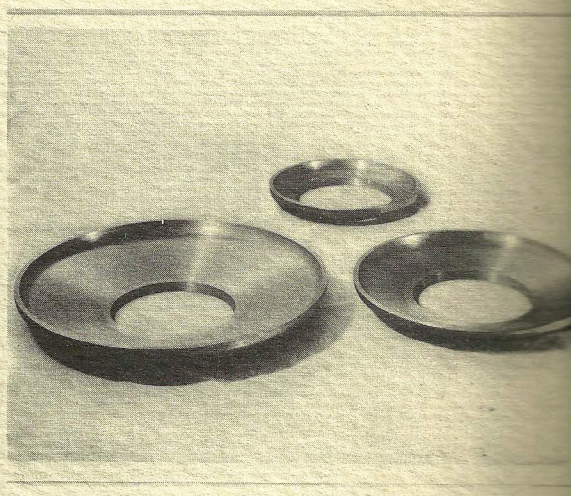
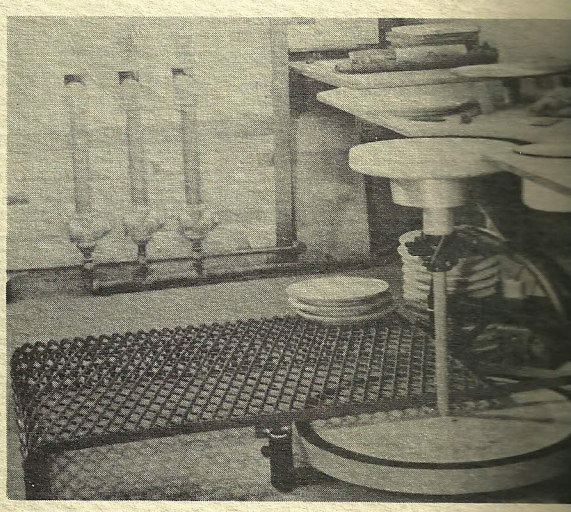
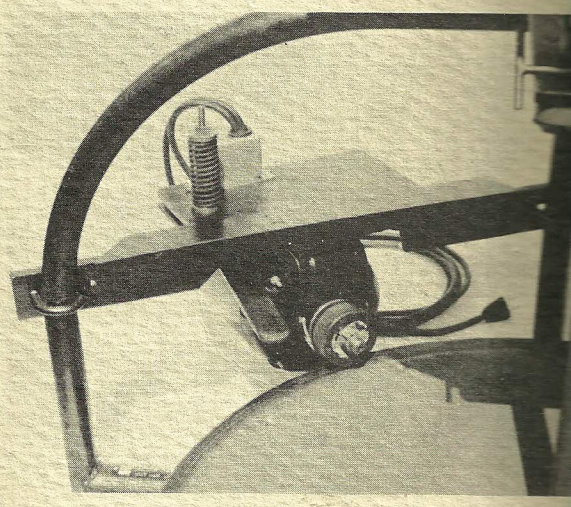
Randall POTTERY

BOX 774—ALFRED, N.Y. 14802







THE RANDALL WHEEL SYSTEM—provides the potter with a forming tool of maximum flexibility and personal fit. It consists of a kick wheel unit built of interchangeable parts, coordinated with a group of accessories usable with any kick unit produced since 1956. All future units and accessories will be coordinated with the present system.

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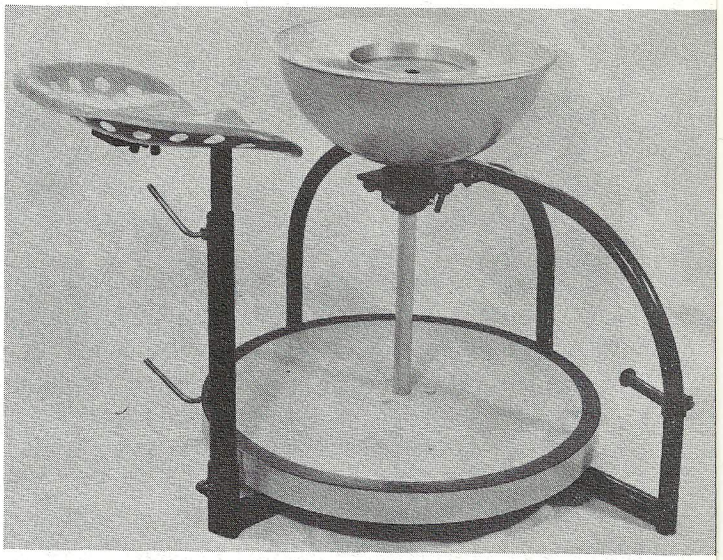


RANDALL KICK WHEEL —MODEL H

FRAME is one and one-quarter inch welded tubular steel. Over all dimensions are 33" x 40" by 30" high. There is a levelling screw under the seat post.

WHEEL HEAD is of the bucket type, nine inches in diameter by one inch deep, with a seven degree taper at the rim. It has a conical setting on the one and one-quarter inch shaft for easy removal. It is made of aluminum and is rust resistant.

DRIP PAN is of spun alumilite, is ninteen inches in diameter by seven inches high and is removable for easy cleaning.

SEAT is adjustable in height and nearness to wheel head, and is also removable.

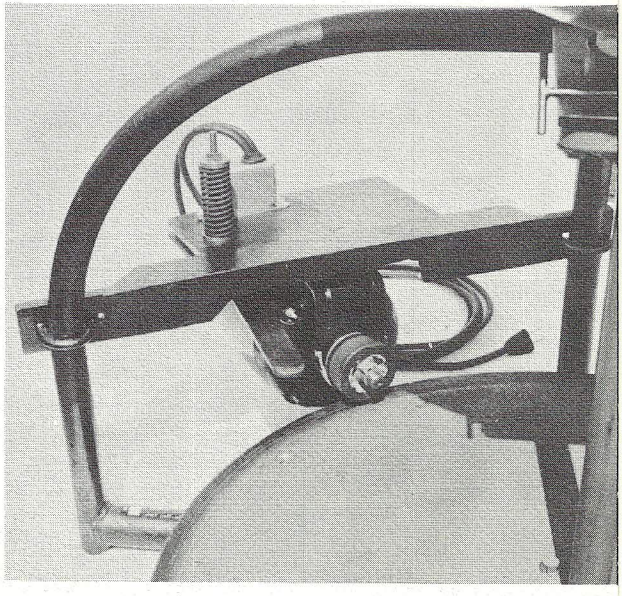
KICK WHEEL is an iron casting machined to true balance. It is twenty-eight inches in diameter, weighs 115 pounds. There is a one and one-half inch true-level track machined in the rim for power attachment.

BEARINGS the top bearing is self-aligning Boston flange-type ball bearing. It should be lubricated with a standard semi-fluid grease about once every six months of use. The bottom bearing is a "lifetime" Timker thrust bearing. It is sealed and self-aligning and should never be serviced.

All Parts are Precision Machined.
Shipping Weight is 200 pounds.
Wheels are shipped with Fragile parts packaged within the wheel frame. The wheel can be reassembled with no special tools and no special skill, ready to use, in a few minutes.

POWER ATTACHMENT—MODEL M

This attachment fits all Randall Wheels.



MOTOR is one-half horsepower, single phase, sixty cycle, 110 volt, A.C. It is enclosed and rubber mounted to minimize noise and vibration.

STARTER SWITCH is a six amp. micro switch of plunger type. It is activated by a foot lever which controls the power unit as to starting and stopping the motor and engaging the drive wheel.

DRIVE WHEEL is three inches in diameter and made of composition rubber to further minimize noise and vibration.

The Motor is hinged to a one-quarter inch steel armature which is fastened to the wheel frame with U-bolts. The complete motor unit is easily and quickly attached to the Kick Wheel unit. No special tools are required. A crating charge of five dollars should be added if the power unit is shipped by itself. Shipping Weight is 45 pounds.

SETTING UP THE RANDALL KICK WHEEL

Your Randall Wheel has been carefully manufactured and packed at the factory. All the parts that were ordered have been packed or attached according to a prepared check sheet. Unpack the items carefully, being sure not to misplace small parts.

First: Remove the large box of parts from the wheel. Tip the wheel on its side and remove the three tie-down bolts which you find holding the wheel firmly in place. These protected your wheel during shipment. Now lower the wheel to its normal position.

Open the box and remove the parts, setting them out in careful order. Open the sack of bolts attached to the seat post plate and take out the two seat post adjusting screws. Insert the seat post in the socket and put the screws in the threaded holes on the back of the outer seat post. The post can now be raised or lowered to suit your particular height.

Now take the oval head bolt and wing nut and, after placing the seat on the seat post plate, put the bolt down through the hole in the center of the seat and through the slot in the post plate and screw the wing nut on the bolt underneath. The seat can be moved forward or backward and tightened where suitable.

Next take the T shaped bolt and insert it in the pan clamp ring on the top of the wheel frame where the spindle comes through. Give it a few turns. Put the pan in the clamp ring, making sure the tube is pushed in all the way. Tighten the bolt so that the pan is held firmly in place. NOTE: The bearing guard tube is for use when the splash pan is removed for throwing with the large plaster bat. It protects the bearing from clay and foreign matter during such operations.

Place the bucket head on the spindle taper after removing the protective tape. Grasp the head with both hands, lift it a short distance and "thump" it down hard in place. This should make it stick tightly on the tapered end of the spindle.

Now adjust the foot rests and the seat to fit you comfortably. If the wheel has a tendency to rock, check to see if the floor where you intend to use the wheel is reasonably level. If so, adjust the levelling screw under the seat post socket until your wheel rests firmly, without rocking. You are now ready to use your wheel.

The spindle bearings are pre-lubricated and should not need attention for about six months or a year, depending on the amount of use the wheel gets. When you add lubricant be sure to use only the best grade of semi-fluid chassis grease inserted with a Zerk gun. Be sure the fittings are wiped clean BEFORE inserting the gun tip.

POWER ATTACHMENT

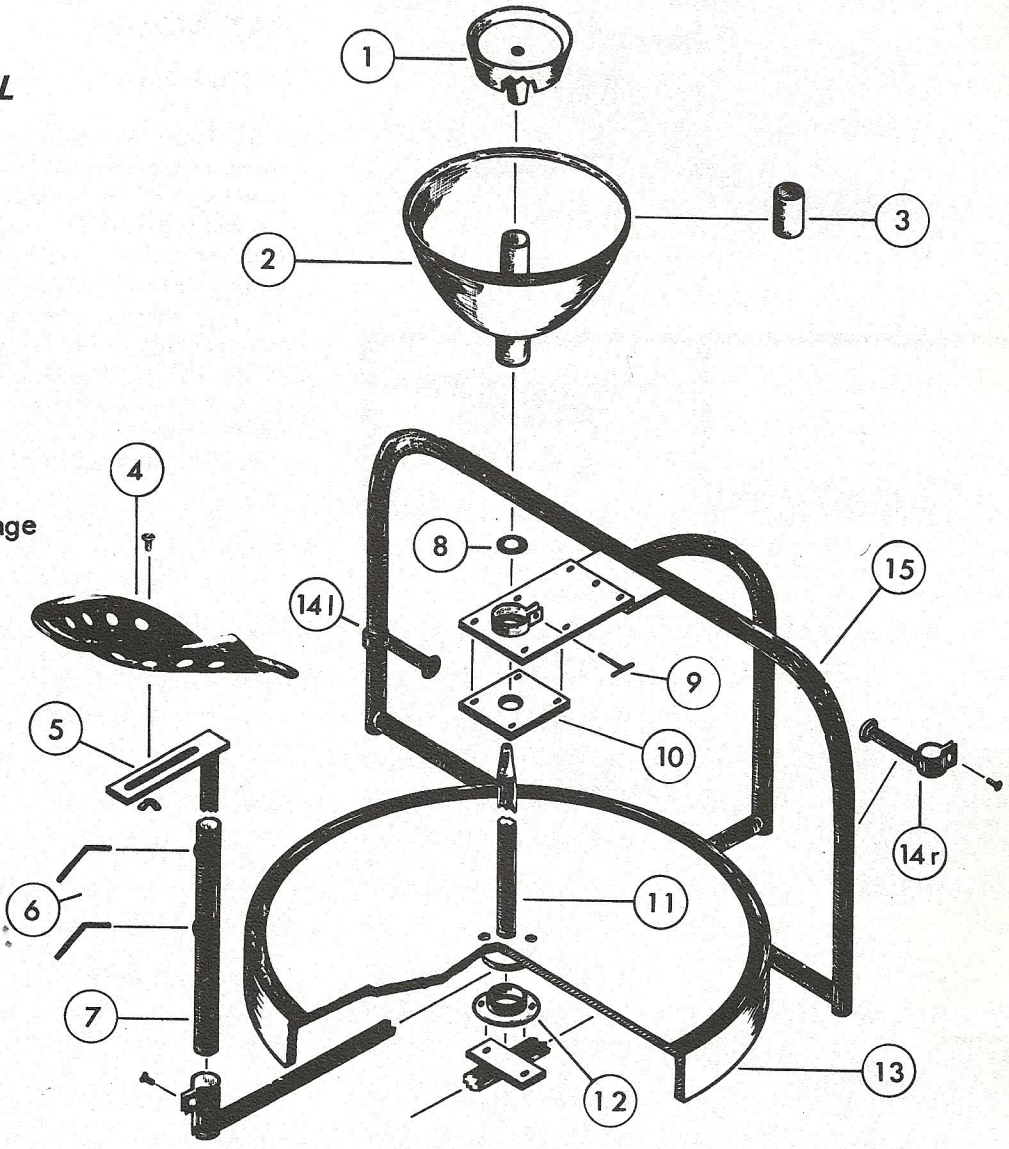
If your wheel was shipped with a power attachment you found the two 2 1/2" diameter rubber drive wheels and an Allen set screw wrench packed in the sack of bolts.

First take the two U-bolts out of the motor bracket and remove it from the wheel frame. Now install one of the rubber drive wheels on the motor shaft. Re-install the motor on the wheel frame in the opposite position from which you found it. This measure was taken to protect the unit during shipment.

Remove the wedge from between the motor mount plates. Level the bracket on the frame so that the rubber drive wheel is 1/4" to 3/8" above the kick wheel. Tighten the U-bolts firmly. Now be sure that the drive wheel is fully in line with the track on the kick wheel casting. Move the rubber wheel in or out of the shaft to locate it, then tighten the set screw with the Allen wrench. The set screw should be in the keyway or flat on the motor shaft. Plug the cord into a suitable, grounded outlet. When you press down on the foot pedal the motor starts automatically. NOTE: DO NOT PRESS DOWN AGAINST WHEEL WITHOUT FIRST STARTING KICK WHEEL IN MOTION WITH FOOT! This will keep the rubber drive wheel from wearing too fast and will also save the motor and switch from undue strain. One more thing you can do to guard against excessive wear of the rubber drive wheel is to be sure the motor shaft points directly toward the center of the spindle. This is set when the motor is installed on the bracket at the factory. If for any reason the motor is removed or becomes loose on the mounting, realign the shaft with respect to the spindle before tightening in place.

RANDALL KICK WHEEL

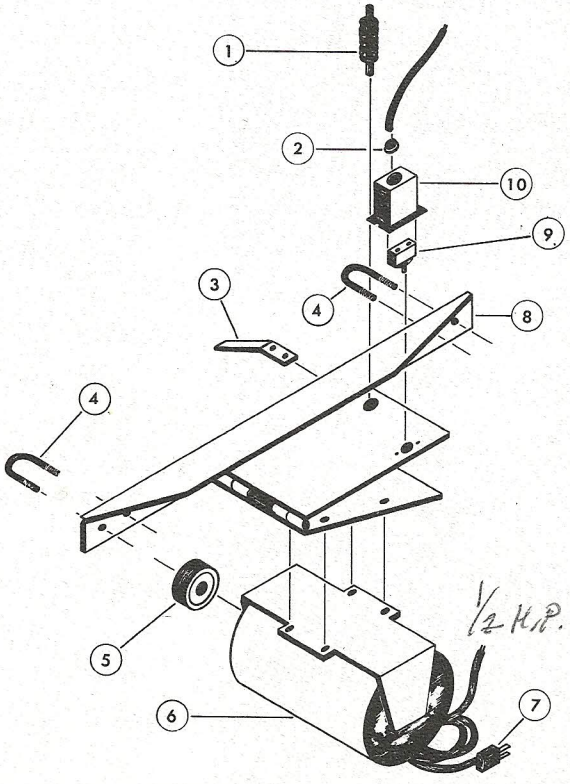
1 - Bucket Type Wheel Head
2 - Splash Pan (aluminum)
3 - Bearing Guard Tube
4 - Seat
5 - Seat Post (inner)
6 - Seat Adjusting Screws
7 - Seat Post (outer)
8 - Bearing Seal
9 - Pan Clamping Screw
10 - Spindle Bearing (upper)
11 - Spindle Assembly w/ Flange
12 - Spindle Bearing (lower)
13 - Kick Disc
14 - R - Foot Rest
14 - L - Foot Rest
15 - Frame Assembly

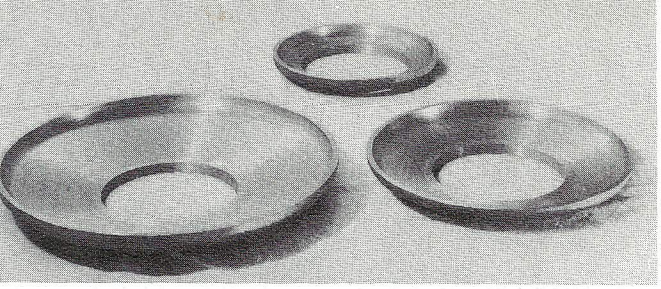


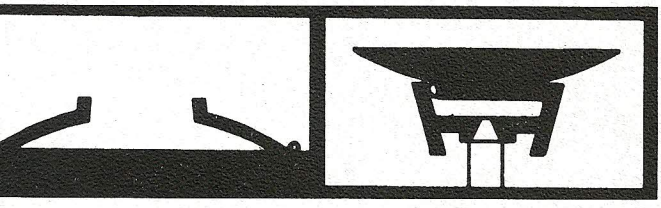
SELF ALIGNING BEARING, SEALED:
SKF 478207-104
BEARING INCL HOUSING:
SKF FVP-104
OIL SEAL:
VICTOR 62006

POWER ATTACHMENT

1 - Spring & Washer Assembly
2 - Rubber Grommet
3 - Foot Pedal
4 - "U" Bolts
5 - Rubber Drive Wheel
6 - Motor
7 - Cord & Plug
8 - Motor Mount Assembly
9 - Switch
10 - Cover





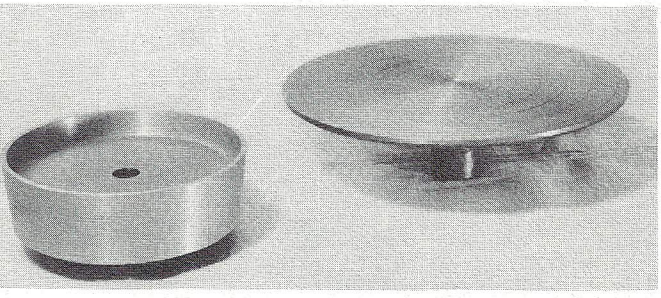


BAT MOLDS

MODELS BM - 12 BM - 16 BM - 20

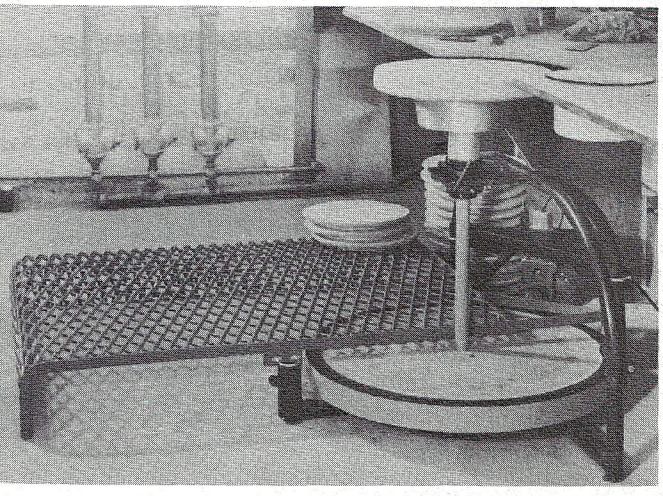
These three Bat Molds are machined aluminum rings from which plaster bats 12", 16", 20" in diameter can be cast in quantity to fit the Randall Bucket head. The inner surface of the mold should be completely covered with an adequate separator (light grease, soap, etc.), the mold place rim down on a level surface, sealed at the rim and poured to the top with plaster, the excess plaster scraped level with the mold opening. The "tongue" of the Bat should be approximately 1/4" smaller than the BucketHead with the gap filled at one side by a small clay wad. This prevents damage to the freshly formed pot, allowing the Bat to be removed easily without sticking to the Wheel Head.

Shipping Weights - BM - 12 is 7 pounds, BM - 16 is 10 pounds, BM - 20 is 18 pounds. A handling charge of two dollars should be added if ordered separately.



BUCKET HEAD (BH) AND FLAT HEAD (FH)

Bolth are machined aluminum castings and rust resistant. Both heads have a conical setting on the wheel shaft for easy removal. The interior of the BucketHead should be kept free of moisture - NEVER washed with water, damp sponge or cloth - dry dusted only. If moisture does get into the conical shaft seat then a wheel-puller is best for freeing the frozen head. The BucketHead is designed for use with plaster bats- the Flat Head for trimming or direct throwing. The Bucket Head is the more useful of the two and is usually shipped as an integral part of the Kick Unit - however the Flat Head may be substituted at no extra charge if so specified at time of order. The Flat Head is 14" in diameter with machined concentric rings. Either head may be purchased as additional equipment at thirty dollars each.



STANDING PLATFORM (SP)

It is 43" x 36" x 7" high, of heavy gauge expanded steel. It is easily fastened at three points to the wheel frame with "U" bolts. It provides the potter with a safe standing position directly over the moving momentum wheel for throwing large forms too tall or massive to be thrown comfortably in the sitting position. It is best used with the seat post removed and with the power attachment supplying the "kick". The Bearing Guard Tube, visible immediately under the Wheel Head(standard equipment) should be inserted in the pan clamp to protect the top bearing when removal of the drip pan is necessitated by use of the large BM - 20 bat in throwing extra large forms.

The Randall Wheel System is easily fitted to almost any work bench situation - but is best not fastened in. All parts should be free and moveable for ease in use as well as ease in cleaning.

If you need any information of any kind about your wheel or its parts write to RANDALL WHEEL, Box 774, Alfred, New York 14802, and BE SURE TO INCLUDE THE SERIAL NUMBER OF YOUR WHEEL which you will find on the small metal plate fastened to the lower right hand frame tube.

HAPPY POTTING.

SERIAL NUMBER

DATE

GRAPHIC DESIGNS - ALFRED